

REMARKS

Claims 13-14 and 16 are pending in this application, of which claim 13 has been amended.

No new claims have been added.

Claims 13-14 and 16 stand rejected under 35 USC §103(a) as unpatentable over JP 3-96258 to Ishida et al. (hereinafter "Ishida et al.") in view of JP 63-254754 to Yamakage (hereinafter "Yamakage").

Applicants respectfully traverse this rejection.

Ishida et al. discloses a heat pipe type cooler having a base plate 1 and a plurality of upright heat pipes attached to an upper side of base plate 1. Fins 3 are attached to arm portions 2b of the heat pipe. Fan 4 is provided for forced air cooling.

The Examiner has admitted that Ishida et al. fails to disclose a larger fin distance between base plate 1 and fin 3 than between adjacent fins 3, but has cited Yamakage for teaching this feature.

Applicants respectfully disagree. Fig. 6 of Yamakage shows a duct 7 and fan 8 enclosing fins 6 attached to an upper end of hollow heat pipes 4c, where the lower ends of hollow heat pipes 4b are filled with liquid coolant 5. Fig. 6 teaches no more than the fins 6 being enclosed by the duct 7, where the space between duct 7 and lowest fin 6 appear to be the same as the spacing between each of the other fins 6.

Yamakage discloses a straight heat pipe 9, in contrast to the present invention, in which the heat pipe has generally a U-shape or a V-shape. Also, Yamakage does not disclose a heat receiving plate, but it discloses a metal block 2. A heat generating electronic element 1 is attached to the side

of the metal block 2 (see Fig. 5). The metal block 2 has a deep hole 3 into which a lower portion of the heat pipe 9 is fitted.

In view of the aforementioned amendments and accompanying remarks, claims 1, 3, 4, 7-9, 13 and 14, as amended, are in condition for allowance, which action, at an early date, is requested.

If, for any reason, it is felt that this application is not now in condition for allowance, the Examiner is requested to contact Applicants undersigned attorney at the telephone number indicated below to arrange for an interview to expedite the disposition of this case.

In the event that this paper is not timely filed, Applicants respectfully petition for an appropriate extension of time. Please charge any fees for such an extension of time and any other fees which may be due with respect to this paper, to Deposit Account No. 01-2340.

Respectfully submitted,

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